SFIS Workshop

Generate Requirement Response - CSE Overview

November 2005

Objectives for Briefing

▸ Describe CSE architecture support for process of "Generate Requirement Response"

▸ Discuss representation of Demand Unique Identifier (DUID) and its uses within the CSE Data Architecture

▸ Examine the role of DUID in the CSE architecture supporting "Generate Requirement Response"
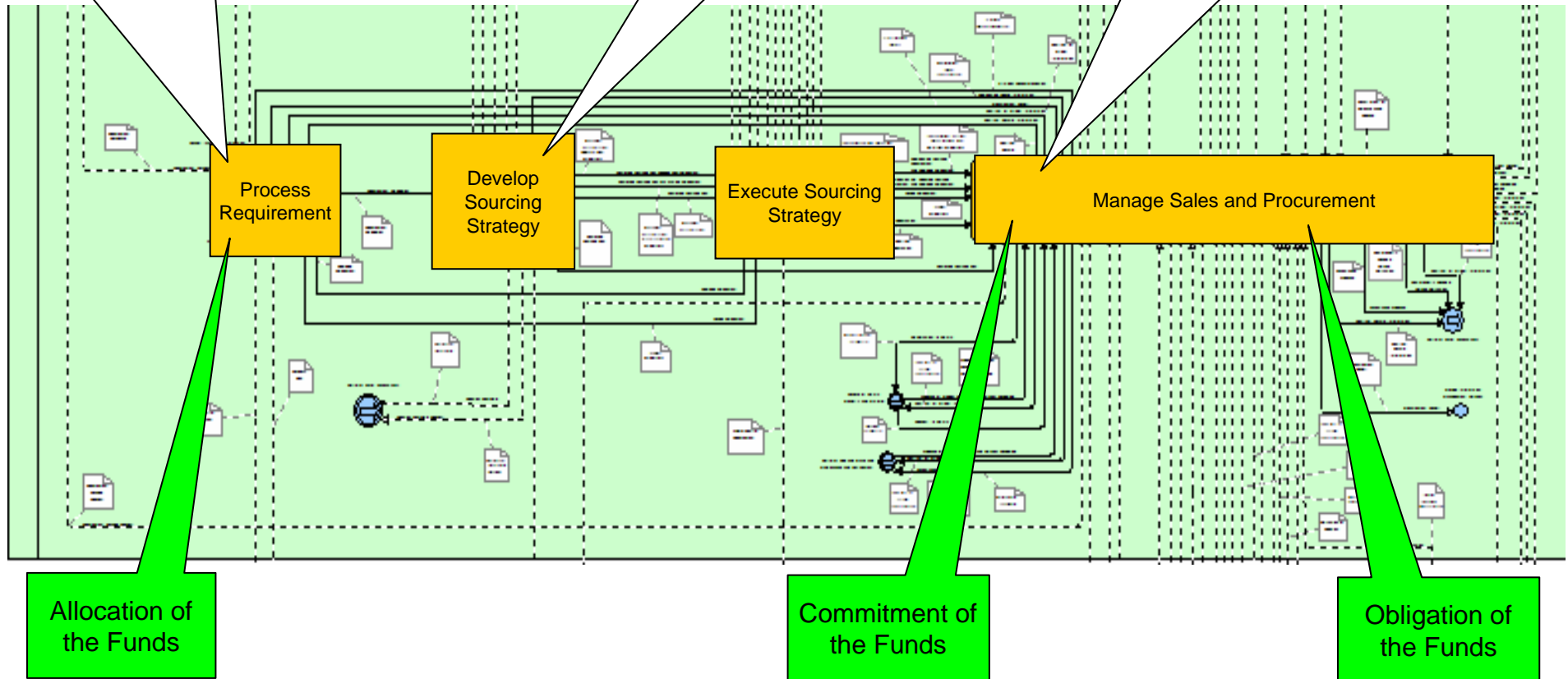
Funds: Allocate, Commit, Obligate

BR: Each approved requirement must contain as a minimum: commitment of funds; description (including a service/commodity category); quantities; and delivery information.
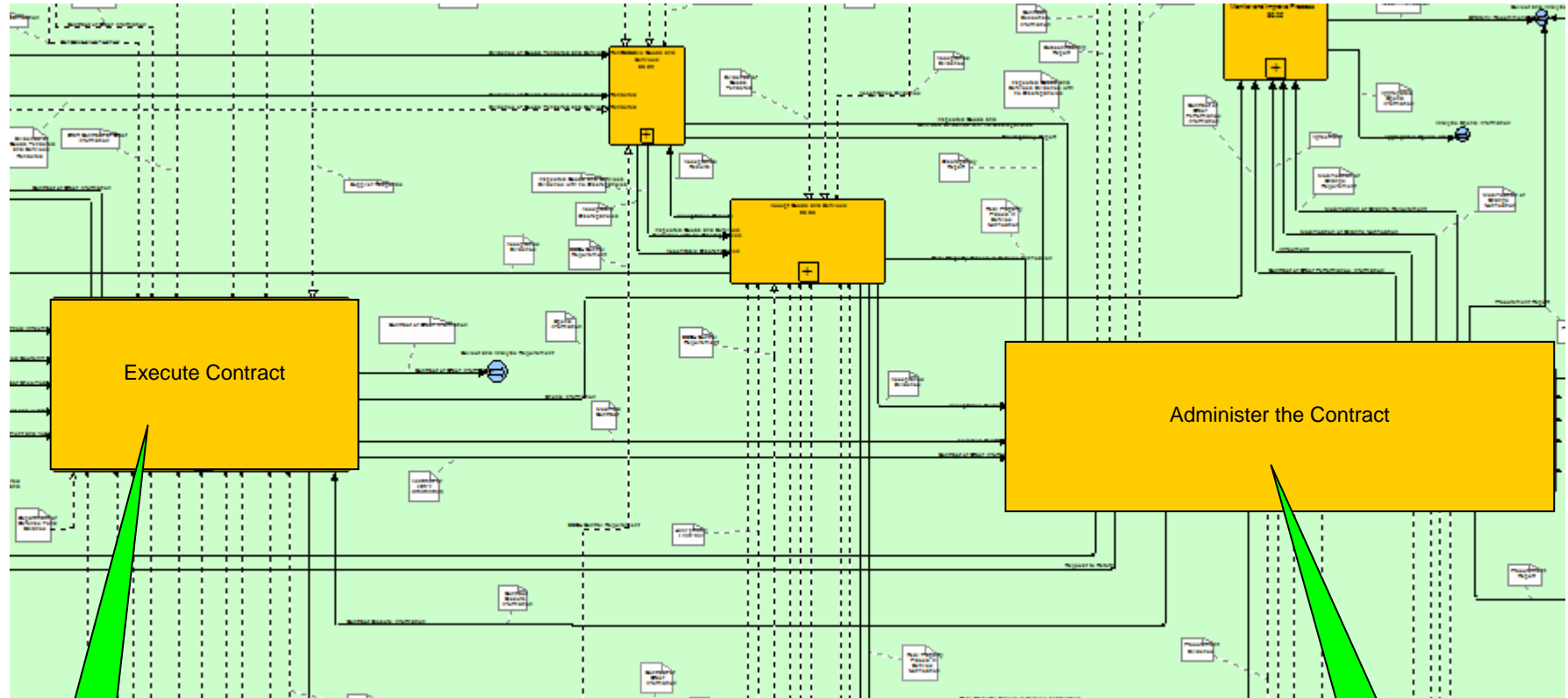
BR: Each acquisition requirement must be matched with a source of funds before creating a commitment.

BR: Prior to making an obligation, each sufficient and appropriate fund (type, year, allocated for purpose) must be committed.

Process Requirement

Develop Sourcing Strategy

Execute Sourcing Strategy

Manage Sales and Procurement

Allocation of the Funds

Commitment of the Funds

Obligation of the Funds

Funds: Allocate, Commit, Obligate Cont.,

Execute Contract

Administer the Contract

Commitment of the Funds

Obligation of the Funds

Process Requirement
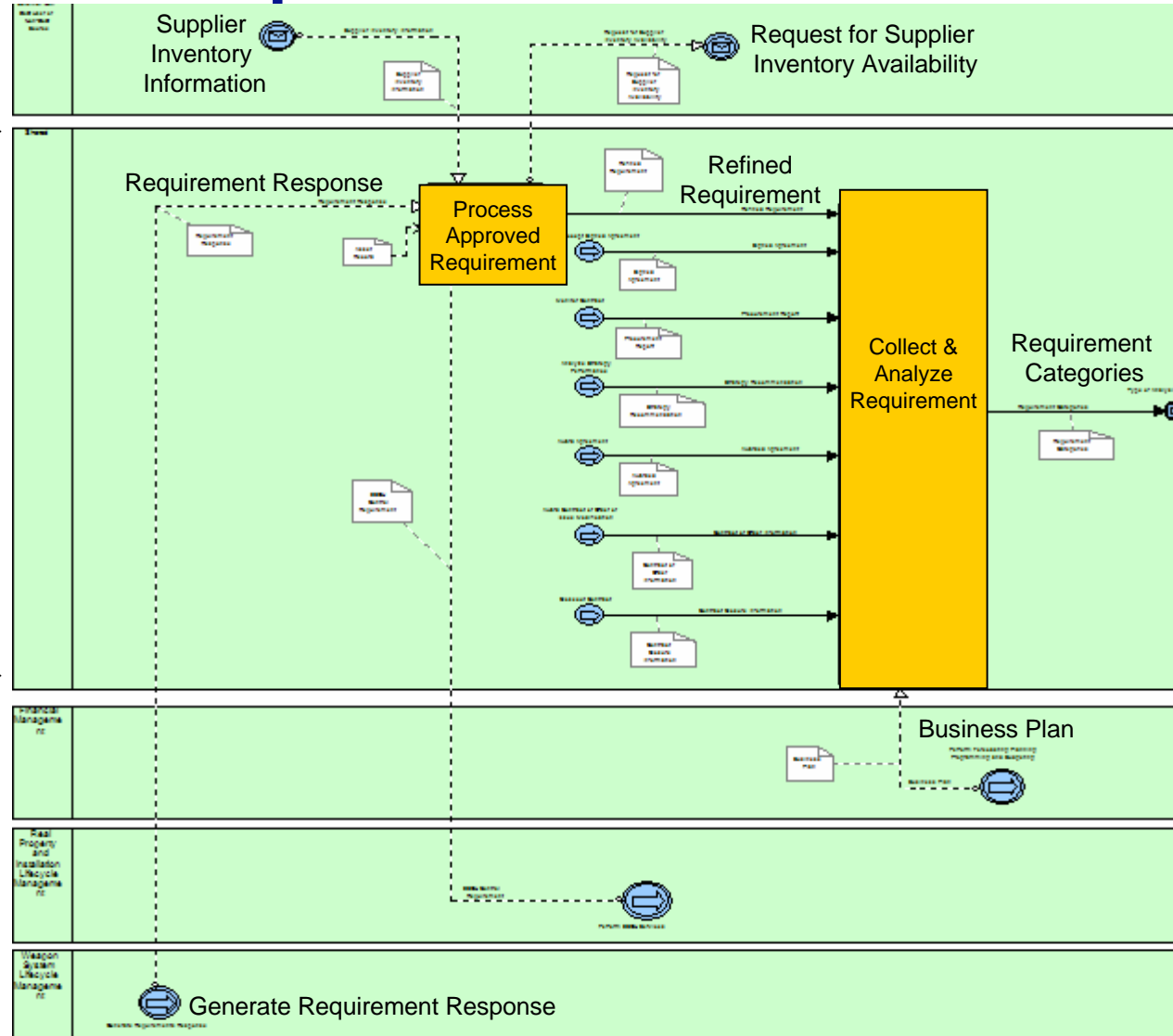
Develop Sourcing Strategy
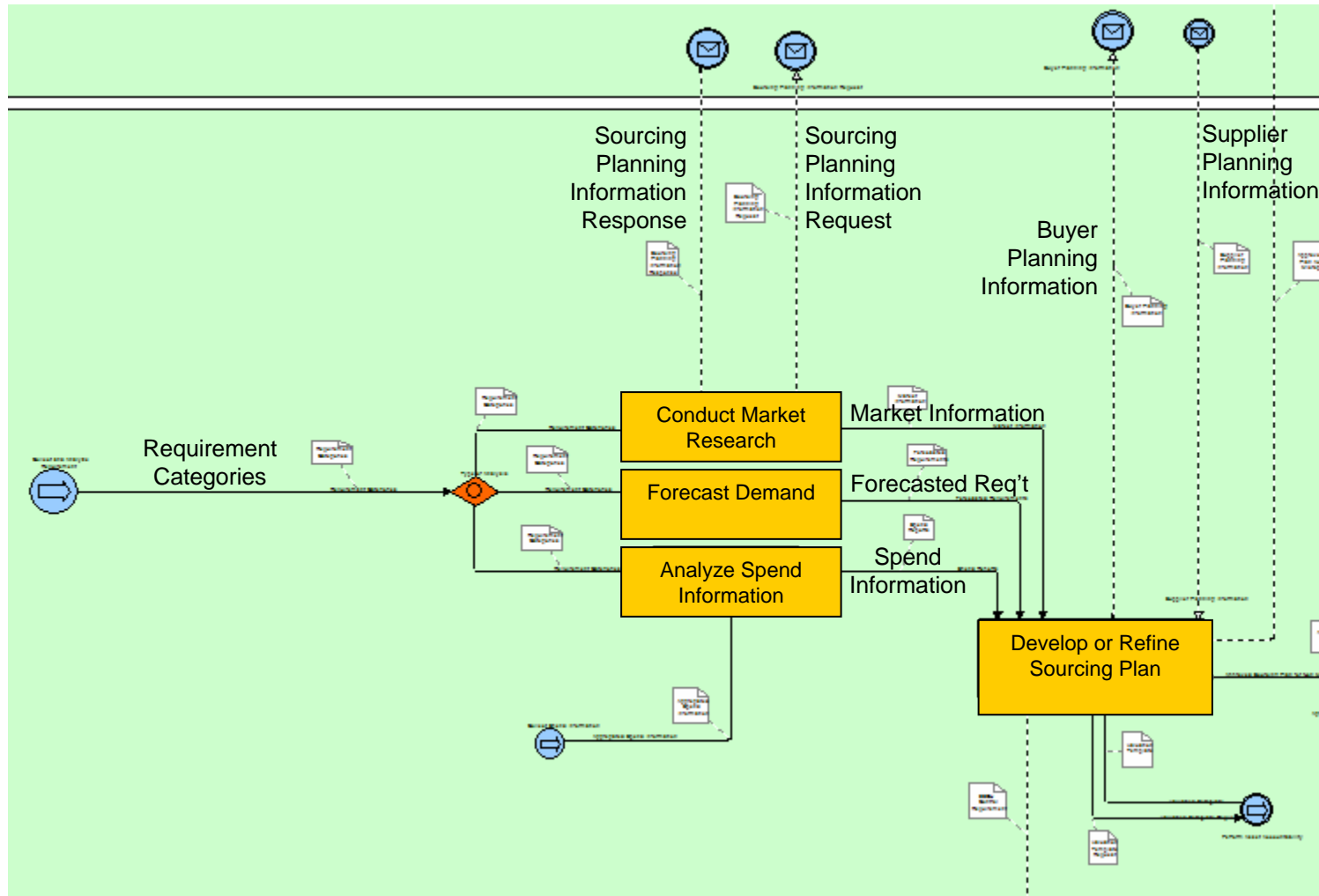
Demand Unique Identifier (DUID) Overview in CSE

▸ From the SFIS CONOPS, Appendix E

– "The DUID serves as a reference throughout the process of fulfilling the demand and satisfying any associated financial transactions, e.g., commitment, obligation, disbursement."

– "…generate the DUID in one of two ways, multiple funding sources within the demand or multiple funding sources within the demand line item. A series of suffixes will achieve uniqueness across the life cycle of each transaction."

▸ The CSE Data Architecture includes a set of constructs to define and relate the concept of "Demand" and associated "Demand Line Items" to:

– Allocations associated with Requirements

– Obligations associated with Contracts

Logical Data Model – Demand and Demand Line Item structures supporting IERs and Processes

A request for authorization to initiate a purchase contract based upon the identification of one or more requirements

DEMAND

Demand_Unique_Identifier

Demand_Description_Text
Demand_Date
Demand_Status_Code

Is to fulfill

DEMAND-REQUIREMENT

Requirement_Identifier (FK)
Demand_Unique_Identifier (FK)

Is source of

REQUIREMENT

Requirement_Identifier

Requirement_Major_Business_Area_Code
Requirement_Sub_Business_Area_Code
Requirement_Dependent_Requirement_Identifier
Requirement_Dependent_Requirement_Role_Code
Requirement_Name
Requirement_Description_Text
Requirement_Level_Code
Requirement_Mission_Text
Requirement_Justification_Text
Parent_Requirement_Identifier . Requirement_Identifier (FK)
Acquisition_Element_Identifier (FK)

is co-dependent u

Has one or more

P

DEMAND-LINE-ITEM

Demand_Line_Item_Demand_Unique_Identifier
Demand_Unique_Identifier (FK)

Demand_Line_Item_Type_Code
Demand_Line_Item_Description_Text
Accounting_Classification_Structure_Allocation_Unique_Identifier (FK)
Acquisition_Element_Identifier (FK)
Demand_Line_Item_Funds_Committed_Amount

Represents a funded request to … execute the fulfillment of a clearly defined need.

Interpreting the Logical Structure:

▶ A Demand can be used to satisfy or fulfill multiple Requirements

▶ A Requirement can generate one or more Demands

▶ A Demand will have one or more Demand Line Items

▶ Instance of Requirement can exist without a related Demand and its Line Items – converse is not true (i.e., existence of a Demand is dependent on the existence of at least one parent Requirement)

DUID Business Rules Supported

ACCOUNTING-CLASSIFICATION-STRUCTURE

Accounting_Classification_Structure_Allocation_Unique_Identifier
Accounting_Classification_Structure_Contingency_Code
Accounting_Classification_Structure_Agency_Disbursing_Identifier_Code
Accounting_Classification_Structure_Agency_Accounting_Identifier_Code
Accounting_Classification_Structure_Reimbursable_Source_Major_Code
Accounting_Classification_Structure_Amount
Accounting_Classification_Structure_Description_Text
Accounting_Classification_Structure_Activation_Date
Accounting_Classification_Structure_Capability_Code
Accounting_Classification_Structure_Inactivation_Date
Funding_Center_Code (FK)
Work_Center_Identifier (FK)
Budget_Line_Item_Number (FK)
Budget_Sub_Activity_Number (FK)
Budget_Activity_Number (FK)
Business_Plan_Budget_Period_Identifier (FK)
Business_Plan_Budget_Identifier (FK)
Treasury_Appropriation_Fund_Symbol_Period_Of_Availability_Begin_Date (FK)
Treasury_Appropriation_Fund_Symbol_Period_Of_Availability_End_Date (FK)
Department_Regular_Code (FK)
Department_Transfer_Code (FK)
US_Federal_Government_Organization_Identifier (FK)
Main_Account_Code (FK)
Object_Class_Code (FK)
Job_Order_Number (FK)
Activity_Based_Costing_Activity_Identifier (FK)

Identifies sources of funds for

DEMAND-LINE-ITEM

Demand_Line_Item_Demand_Unique_Identifier
Demand_Unique_Identifier (FK)
Demand_Line_Item_Type_Code
Demand_Line_Item_Description_Text
Accounting_Classification_Structure_Allocation_Unique_Identifier (FK)
Acquisition_Element_Identifier (FK)
Demand_Line_Item_Funds_Committed_Amount

Relationship to ACCOUNTING-CLASSIFICATION-STRUCTURE depicts/enforces the following rules:

▸ A Demand Unique Identifier (DUID) will relate to only one AUID.

▸ May have multiple DUIDs associated with one AUID.

▸ The relationship between Demand Line Item and Accounting Classification Structure (ACS) is not optional (i.e., the ACS must exist prior to the related Demand Line Items)
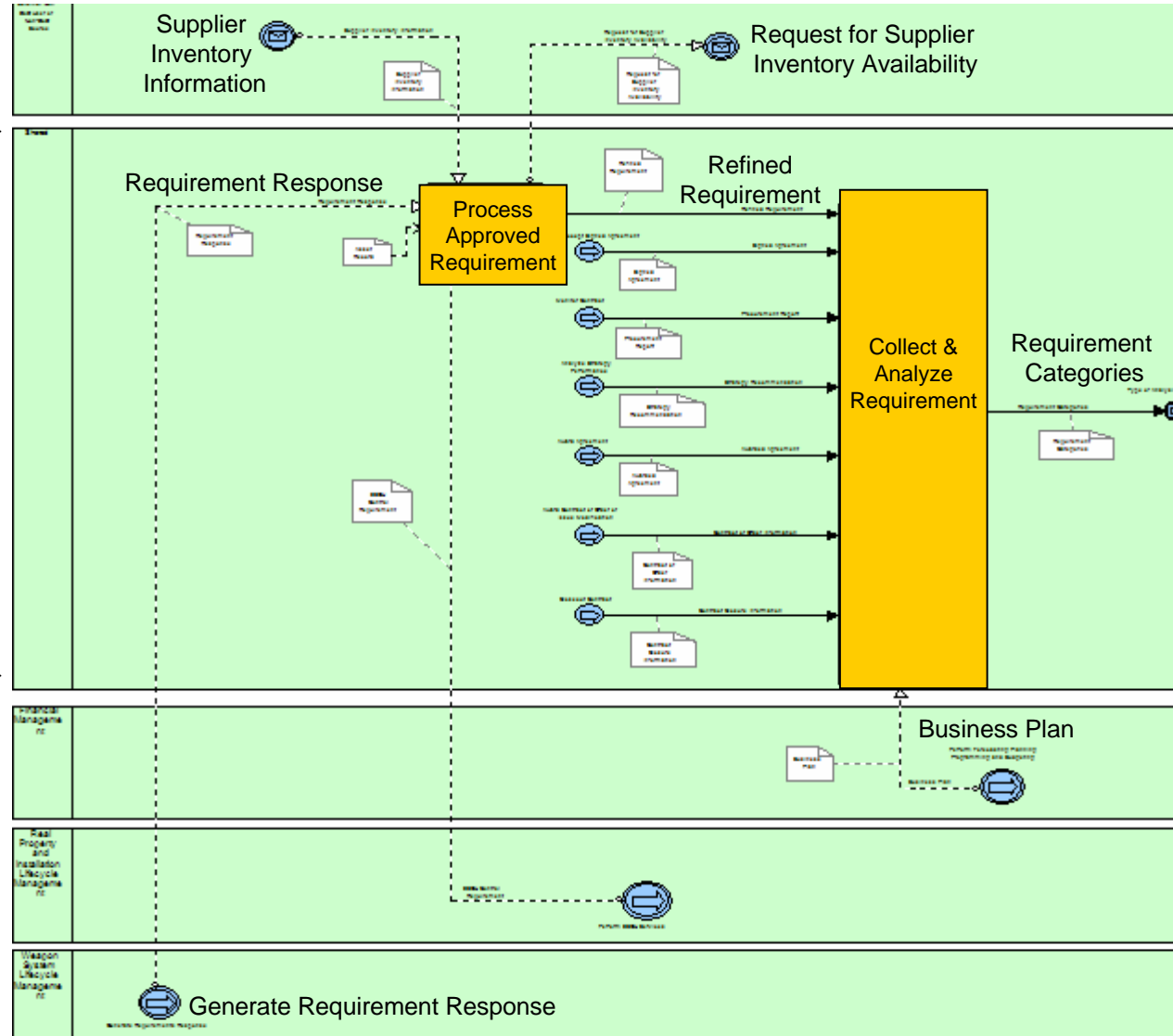
DUID doesn't play a role in CSE "Process Requirement"

Backup

DUID Business Rules

▶ DUID established unique numbers will allow for either of the following constructs:
- – If multiple funding sources within the demand - Demand Number Plus Suffix for each funding source.
- – If multiple funding sources within demand line items -Demand Number Plus Suffix for each demand line item and second suffix for each funding source

▶ Commitment accounting is required based on authority and availability of funds upon the creation of the DUID, unless otherwise authorized by OUSD (C).

▶ A DUID must be created when funds are committed.

▶ A Demand Unique Identifier (DUID) will relate to only one AUID.

▶ May have multiple DUIDs associated with one AUID.

▶ Obligation data is uniquely identified at the line item or sub-line item level and

▶ DUID is suffixed at sub-line item level.

▶ Subsequent UIDs will be associated with precedent UIDs.